

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: 12/09/98

Date Received: 12/03/98

Project: Metro Self Monitor, PO# M61136

Date Samples Extracted: 12/04/98

Date Extracts Analyzed: 12/08/98

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE  
FOR CHROMIUM, COPPER, NICKEL, ZINC  
USING METHOD 6010**

**Samples Processed Using Method 3005A**

Results Reported as mg/L (ppm)

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M61136	0.44	0.30	0.35	<0.05
Method Blank	<0.05	<0.05	<0.05	<0.05

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**QUALITY ASSURANCE RESULTS  
FOR TOTAL METALS BY  
INDUCTIVELY COUPLED PLASMA (ICP)  
(METHOD 6010)**

Laboratory Code: 812006-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	<0.05	<0.05	nm	0-20
Copper	mg/L (ppm)	0.25	0.25	0	0-20
Nickel	mg/L (ppm)	<0.05	<0.05	nm	0-20
Zinc	mg/L (ppm)	0.20	0.21	5	0-20

Laboratory Code: 812006-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	<0.05	98	97	80-120	1
Copper	mg/L (ppm)	5	0.25	97	94	80-120	3
Nickel	mg/L (ppm)	10	<0.05	98	98	80-120	0
Zinc	mg/L (ppm)	5	0.20	102	101	80-120	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	105	105	80-120	0
Copper	mg/L (ppm)	5	107	108	80-120	1
Nickel	mg/L (ppm)	10	106	107	80-120	1
Zinc	mg/L (ppm)	5	106	107	80-120	1

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

8/2019

mm 12398  
BI1

*Send Report To:*

Company

# Alaskan Copper Works

## Contact

Gerold Thompson

Address

628 Arundel

98134

City, State, Zip

206-382-8379

FAX # 206 382-4509

Date 12-3-28

SITE NO.

PROJECT NAME

PURCHASE ORDER #

7238

metro Self monitor

m 61136

SAMPLERS (signature)

### PROJECT LOCATION

*[Handwritten signature]*

3200 6<sup>th</sup> Ave S.

REMARKS

### SAMPLE DISPOSAL INFORMATION

<div style="border: 1px solid black; height: 40px; width: 100%;"></div>		<input type="checkbox"/> Dispose after 30 days <input checked="" type="checkbox"/> Return Samples <input type="checkbox"/> Call for Instructions
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[illegible]

SIGNATURE

PRINT NAME

**COMPANY**

Date \_\_\_\_\_

Time

~~Relinquished by:~~

ERNEST A. THORNTON

ACW

12-3-28

2:47pm

Received by:

K Eding Tai

K Edington

*F. B. I.*

12.3.98

*1891*

Relinquished by:

Received by:

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D.  
Charlene Jensen, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

December 9, 1998

**DUPLICATE COPY**

**INVOICE #98ACU1209-2**

Accounts Payable  
Alaskan Copper Works  
628 South Hanford St.  
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M61136: Results of testing requested  
by Gerry Thompson for material submitted on December 3, 1998.

1 water sample analyzed for  
Chromium, Copper, Nickel, and Zinc  
using Method 6010 @ \$65 per sample

\$ 65.00

Amount Due .....

\$ 65.00

FEDERAL TAX ID (b) (6)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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December 9, 1998

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford St.  
Seattle, WA 98134

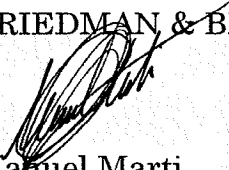
Dear Mr. Thompson:

Included are the results from the testing of material submitted on December 3, 1998 from your Metro Self Monitor, PO# M61136 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Manuel Marti  
Project Manager

Enclosures  
ACU1209R.DOC